

Conceptual

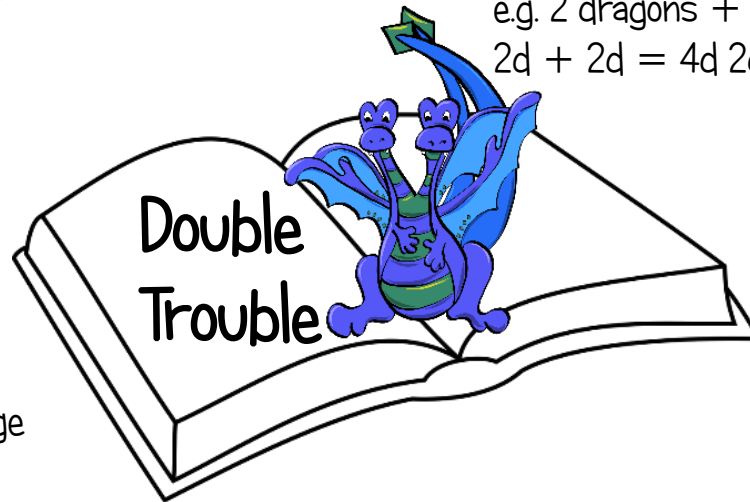
Give learners opportunities to...

- ...Find doubles using a mirror
- ...Find doubles using physical objects
- ...Draw doubles
- ...Take photographs of doubles and halves
- ...write double and halving sentences
- ...use doubles to find near doubles

Fluency

Give learners opportunities to...

- ...Show rapid recall of doubles and halves to 20
- ...Derive other facts from knowledge of number facts



Communicate with Symbols

Give learners opportunities to...

...Record doubles and halves using appropriate symbols, linking to addition and subtraction.

Take it deeper

Use concrete resources to develop algebraic formulas

e.g. 2 dragons + 2 dragons = $d + d + d + d = 4d$

$2d + 2d = 4d$ $2d =$

Strategic Competence

Give learners opportunities to...

- ...partition to double
- ...use doubling and halving diamonds
- ...use doubling and halving mats
- ...use bar models

Logical Reasoning

Give learners opportunities to...

- ...prove doubles and halves using a variety of resources
- Explain verbally, using concrete resources, visually, and algebraically how they find doubles and halves